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3

L1

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 3 of 3 returned.****1. Document ID: DE 19949436 A1**

L1: Entry 1 of 3

File: EPAB

May 3, 2001

PUB-NO: DE019949436A1

DOCUMENT-IDENTIFIER: DE 19949436 A1

TITLE: New human antibiotic peptides, useful for treating microbial infections, particularly when incorporated in wound dressings, also related nucleic acid

PUBN-DATE: May 3, 2001

## INVENTOR-INFORMATION:

NAME

COUNTRY

CHRISTOPHERS, ENNO

DE

HARDER, JUERGEN

DE

SCHROEDER, JENS

DE

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SCHERING AG

DE

APPL-NO: DE19949436

APPL-DATE: October 8, 1999

PRIORITY-DATA: DE19949436A (October 8, 1999)

INT-CL (IPC): C07 K 14/435; C07 K 16/18; A61 K 38/57

EUR-CL (EPC): A61L015/32; A61L015/46, C07K014/47, C12N009/22

## ABSTRACT:

CHG DATE=20020103 STATUS=N>Active, mature protein (I) having a 128 residue SAP-2 amino acid sequence, or a 45 residue SAP-3 amino acid sequence, both fully defined in the specification, or a modified form of SAP-2 or -3 is new. The modified forms are allelic modifications with at least one substitution deletion or insertion, or post-translational modifications, which do not significantly alter the activity. Independent claims are also included for the following: (1) proteins (II) comprising a signal sequence plus the sequence for SAP-2 or -3 (designated Pre-SAP-2 or -3), and comprising 156 and 67 residue amino acid sequences, respectively, both fully defined in the specification and their modified forms; (2) (I) and (II) in which at least one terminus is protected; (3) cDNA or DNA (III) encoding (I) or (II), or their modifications; (4) vector containing (III), a promoter and optionally an enhancer, optionally included in a transformed prokaryotic or eukaryotic cell; (5) a pharmaceutical composition containing at least one of (I) or (II), and a carrier; (6) synthesis of (I) or (II); (7) binding molecules, single-chain proteins and antibodies (or their fragments) that specifically recognize domains in (I); and (8) wound dressing containing at least one (I) or (II), or syngenic or allogenic human cells containing (III).

## └ 2. Document ID: DE 19905128 A1

L1: Entry 2 of 3

File: EPAB

Aug 10, 2000

PUB-NO: DE019905128A1

DOCUMENT-IDENTIFIER: DE 19905128 A1

TITLE: New human antibiotic peptides, useful for treating microbial infections, particularly when incorporated in wound dressings, also related nucleic acid

PUBN-DATE: August 10, 2000

## INVENTOR-INFORMATION:

NAME

COUNTRY

CHRISTOPHERS, ENNO

DE

HARDER, JUERGEN

DE

SCHROEDER, JENS

DE

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SCHERING AG

DE

APPL-NO: DE19905128

APPL-DATE: February 1, 1999

PRIORITY-DATA: DE19905128A (February 1, 1999)

INT-CL (IPC): C07 K 14/435; A61 K 38/17; A61 K 39/395; C12 N 15/12; C12 N 15/63

EUR-CL (EPC): A61L015/32; C07K014/47, C12N009/22 , C07K014/47

## ABSTRACT:

CHG DATE=20010202 STATUS=O>Active, mature protein (I) having a 128 residue SAP-2 amino acid sequence, or a 45 residue SAP-3 amino acid sequence, both fully defined in the specification, or a modified form of SAP-2 or -3 is new. The modified forms are allelic modifications with at least one substitution deletion or insertion, or post-translational modifications, which do not significantly alter the activity. Independent claims are also included for the following: (1) proteins (II) comprising a signal sequence plus the sequence for SAP-2 or -3 (designated Pre-SAP-2 or -3), and comprising 156 and 67 residue amino acid sequences, respectively, both fully defined in the specification and their modified forms; (2) (I) and (II) in which at least one terminus is protected; (3) cDNA or DNA (III) encoding (I) or (II), or their modifications; (4) vector containing (III), a promoter and optionally an enhancer, optionally included in a transformed prokaryotic or eukaryotic cell; (5) a pharmaceutical composition containing at least one of (I) or (II), and a carrier; (6) synthesis of (I) or (II); (7) binding molecules, single-chain proteins and antibodies (or their fragments) that specifically recognize domains in (I); and (8) wound dressing containing at least one (I) or (II), or syngenic or allogenic human cells containing (III).

Full	Title	Citation	Publ	Revised	Classification	Date	References	Sequence	Attachment	Claims	Publ	Doc type	Index
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## └ 3. Document ID: BR 200103257 A WO 200046245 A2 DE 19905128 A1 AU 200026684 A EP 1068232 A2 DE 19949436 A1

L1: Entry 3 of 3

File: DWPI

Jul 29, 2003

DERWENT-ACC-NO: 2000-514948

DERWENT-WEEK: 200365

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TITLE: New human antibiotic peptides, useful for treating microbial infections, particularly when incorporated in wound dressings, also related nucleic acid

INVENTOR: CHRISTOPHERS, E; HARDER, J ; SCHROEDER, J

## PATENT-ASSIGNEE:

ASSIGNEE	CODE
SCHERING AG	SCHD

PRIORITY-DATA: 1999DE-1049436 (October 8, 1999), 1999DE-1005128 (February 1, 1999), 2001BR-0003257 (August 7, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BR 200103257 A	July 29, 2003		000	C07K014/47
WO 200046245 A2	August 10, 2000	G	040	C07K014/47
<u>DE 19905128 A1</u>	August 10, 2000		000	C07K014/435
AU 200026684 A	August 25, 2000		000	C07K014/47
EP 1068232 A2	January 17, 2001	G	000	C07K014/47
<u>DE 19949436 A1</u>	May 3, 2001		000	C07K014/435

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
BR 200103257A	August 7, 2001	2001BR-0003257	
WO 200046245A2	February 1, 2000	2000WO-EP00776	
DE 19905128A1	February 1, 1999	1999DE-1005128	
AU 200026684A	February 1, 2000	2000AU-0026684	
AU 200026684A		WO 200046245	Based on
EP 1068232A2	February 1, 2000	2000EP-0904996	
EP 1068232A2	February 1, 2000	2000WO-EP00776	
EP 1068232A2		WO 200046245	Based on
DE 19949436A1	October 8, 1999	1999DE-1049436	

INT-CL (IPC): A61 K 38/17; A61 K 38/57; A61 K 39/395; A61 P 31/00; C07 K 14/435; C07 K 14/47; C07 K 16/18; C12 N 9/22; C12 N 15/12; C12 N 15/63

ABSTRACTED-PUB-NO: WO 200046245A

## BASIC-ABSTRACT:

NOVELTY - Active, mature protein (I) having a 128 residue SAP-2 amino acid sequence, or a 45 residue SAP-3 amino acid sequence, both fully defined in the specification, or a modified form of SAP-2 or -3 is new. The modified forms are allelic modifications with at least one substitution deletion or insertion, or post-translational modifications, which do not significantly alter the activity.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) proteins (II) comprising a signal sequence plus the sequence for SAP-2 or -3 (designated Pre-SAP-2 or -3), and comprising 156 and 67 residue amino acid sequences, respectively, both fully defined in the specification and their modified forms;

- (2) (I) and (II) in which at least one terminus is protected;
- (3) cDNA or DNA (III) encoding (I) or (II), or their modifications;
- (4) vector containing (III), a promoter and optionally an enhancer, optionally included in a transformed prokaryotic or eukaryotic cell;
- (5) a pharmaceutical composition containing at least one of (I) or (II), and a carrier;
- (6) synthesis of (I) or (II);
- (7) binding molecules, single-chain proteins and antibodies (or their fragments) that specifically recognize domains in (I); and
- (8) wound dressing containing at least one (I) or (II), or syngenic or allogenic human cells containing (III).

ACTIVITY - Antibiotic; antibacterial; antifungal; antiviral. SAP-2 was incubated at 37 deg. C for 3 hours with various microorganisms (0.1 million colony-forming units (cfu)/ml) in pH 7.4 buffer containing trypticase soya broth. The following day the cfu content was determined to indicate a LD90 for SAP-2 of 4-7.5 micro g/ml against *Propionibacterium acnes*, 7.5-15 micro g/ml against *Staphylococcus aureus* and *Pseudomonas aeruginosa*, and 15-30 micro g/ml against *Candida albicans*.

MECHANISM OF ACTION - SAP-2 is an RNase.

USE - (I), and their precursors, are useful for treating or preventing microbial infections (caused by bacteria, fungi or viruses), particularly where they (or human cells expressing them) are included in wound dressings, and to produce specific antibodies (Ab) or their fragments. Ab are used as diagnostic reagents, e.g. to detect a deficiency of (I) or the presence of a (I) variant. (All claimed).

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: NEW HUMAN ANTIBIOTIC USEFUL TREAT MICROBE INFECT INCORPORATE WOUND DRESS RELATED NUCLEIC ACID

DERWENT-CLASS: B04 D16 D22

CPI-CODES: B04-E03F; B04-E08; B04-F0100E; B04-F0200E; B04-G01; B04-N0200E; B12-M02D; B14-A01; B14-N17B; D05-C02; D05-H09; D05-H11; D05-H12A; D05-H14; D05-H17A6; D09-A01C; D09-C04B;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M431 M710 M781 M782 M905 N135 P942 Q233 Q262

R041

Specific Compounds

A00H3M A00H3N A00H3U

Chemical Indexing M1 \*02\*

Fragmentation Code

M423 M431 M710 M781 M782 M905 N135 P942 Q233 Q262

R041

Specific Compounds

A00NSM A00NSN A00NSU

Chemical Indexing M1 \*03\*

Fragmentation Code

M423 M431 M710 M781 M782 M905 N135 P942 Q233 Q262

R041

Specific Compounds

A012PM A012PN A012PU

Chemical Indexing M1 \*04\*

Fragmentation Code

M423 M710 M905 N135 Q233 Q262

Specific Compounds

A00GTN

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-153669

Full	Title	Citation	Front	Sequence	Classification	Date	Reference	References	Abstracts
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Full	Title	Citation	Front
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Terms	Documents
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NEWS	6	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	7	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	8	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	9	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS	10	SEP 22	DIPPR file reloaded
NEWS	11	SEP 25	INPADOC: Legal Status data to be reloaded
NEWS	12	SEP 29	DISSABS now available on STN
NEWS	13	OCT 10	PCTFULL: Two new display fields added
NEWS	14	OCT 21	BIOSIS file reloaded and enhanced
NEWS	15	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
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=> s antimicrobial peptide  
L1 5214 ANTIMICROBIAL PEPTIDE

=> s oral administration  
L2 171383 ORAL ADMINISTRATION

=> s parenteral administration and l1  
L3 55 PARENTERAL ADMINISTRATION AND L1

=> s l3 and l2  
L4 22 L3 AND L2

=> s injection and l1  
L5 192 INJECTION AND L1

=> s l5 and l4  
L6 22 L5 AND L4

=> s l1 and topical  
L7 281 L1 AND TOPICAL

=> s l7 and l6  
L8 20 L7 AND L6

=> d l8 ti abs ibib tot

L8 ANSWER 1 OF 20 USPATFULL on STN  
TI Membrane to membrane delivery  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282746 USPATFULL  
TITLE: Membrane to membrane delivery  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003199089	A1	20031023
APPLICATION INFO.:	US 2002-157318	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)



US 2002-359843P 20020225 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18530

L8 ANSWER 2 OF 20 USPATFULL on STN  
TI Minicell-based gene therapy  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnositic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282745 USPATFULL  
TITLE: Minicell-based gene therapy  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003199088	A1	20031023
APPLICATION INFO.:	US 2002-156902	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	15300	

L8 ANSWER 3 OF 20 USPATFULL on STN  
TI Solid supports with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnositic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282662 USPATFULL  
TITLE: Solid supports with minicells  
INVENTOR(S): Sabbadini, Roger, Lakeside, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003199005	A1	20031023
APPLICATION INFO.:	US 2002-157166	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18494

L8 ANSWER 4 OF 20 USPATFULL on STN  
TI Minicell libraries  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282653 USPATFULL  
TITLE: Minicell libraries  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Gerhart, William, La Mesa, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198996	A1	20031023
APPLICATION INFO.:	US 2002-157147	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293566P	20010524 (60)
	US 2002-359843P	20020225 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18482

L8 ANSWER 5 OF 20 USPATFULL on STN  
TI Forward screening with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282652 USPATFULL  
TITLE: Forward screening with minicells  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES  
Gerhart, William, La Mesa, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198995	A1	20031023
APPLICATION INFO.:	US 2002-156831	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18533	

L8 ANSWER 6 OF 20 USPATFULL on STN  
 TI Minicell compositions and methods  
 AB The invention provides compositions and methods for the production of  
 achromosomal and anucleate cells useful for applications such as  
 diagnostic and therapeutic uses, as well as research tools and agents  
 for drug discovery.

ACCESSION NUMBER: 2003:276773 USPATFULL  
 TITLE: Minicell compositions and methods  
 INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
 Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003194798	A1	20031016
APPLICATION INFO.:	US 2002-154951	A1	20020524 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293566P	20010524 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18583	

L8 ANSWER 7 OF 20 USPATFULL on STN  
 TI Minicell-based transformation  
 AB The invention provides compositions and methods for the production of  
 achromosomal and anucleate cells useful for applications such as  
 diagnostic and therapeutic uses, as well as research tools and agents  
 for drug discovery.

ACCESSION NUMBER: 2003:276689 USPATFULL  
 TITLE: Minicell-based transformation  
 INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
 Berkley, Neil, San Diego, CA, UNITED STATES  
 Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003194714	A1	20031016
APPLICATION INFO.:	US 2002-157299	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)

US 2002-359843P 20020225 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18595

L8 ANSWER 8 OF 20 USPATFULL on STN  
TI Minicell-producing parent cells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:271146 USPATFULL  
TITLE: Minicell-producing parent cells  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Segall, Anca M., San Diego, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190749	A1	20031009
APPLICATION INFO.:	US 2002-157215	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18577	

L8 ANSWER 9 OF 20 USPATFULL on STN  
TI Minicell-based rational drug design  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:271080 USPATFULL  
TITLE: Minicell-based rational drug design  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190683	A1	20031009
APPLICATION INFO.:	US 2002-157302	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 2002-359843P 20020225 (60)  
US 2001-293566P 20010524 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18539

L8 ANSWER 10 OF 20 USPATFULL on STN  
TI Polynucleotide encoding an activated human T-lymphocyte-derived protein  
related to ubiquitin conjugating enzyme  
AB The present invention describes a newly discovered ubiquitin conjugating  
enzyme homologue, called RATL1d6 herein, and its encoding  
polynucleotide, isolated and identified from activated T lymphocytes.  
Also described are expression vectors, host cells, agonists,  
antagonists, antisense molecules, and antibodies associated with the  
activity and use of the newly-discovered polynucleotide and/or  
polypeptide of the present invention. Methods for treating, diagnosing,  
preventing and screening for disorders related to the expression of the  
RATL1d6 ubiquitin conjugating enzyme polypeptide are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:271010 USPATFULL  
TITLE: Polynucleotide encoding an activated human  
T-lymphocyte-derived protein related to ubiquitin  
conjugating enzyme  
INVENTOR(S): Bowen, Michael A., Rockville, MD, UNITED STATES  
Wu, Yuli, Newtown, PA, UNITED STATES  
Yang, Wen-Pin, Princeton, NJ, UNITED STATES  
Finger, Joshua, San Marcos, CA, UNITED STATES  
Nadler, Steven, Princeton, NJ, UNITED STATES  
Carroll, Pamela, Princeton, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190613	A1	20031009
APPLICATION INFO.:	US 2001-5549	A1	20011029 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-308706P	20010730 (60)
	US 2000-244688P	20001030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	5177	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 20 USPATFULL on STN  
TI Target display on minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:270998 USPATFULL

TITLE: Target display on minicells  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronada, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190601	A1	20031009
APPLICATION INFO.:	US 2002-157096	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18581	

L8 ANSWER 12 OF 20 USPATFULL on STN

TI Human and mouse beta-defensins, antimicrobial peptides  
AB The present invention employs an iterative application of BLAST and Hidden Markov Model (HMM) based searches which identified 34 .beta.-defensin genes in the human genome and 48 in the mouse genome. The present invention relates to novel antimicrobial peptides and derivatives thereof as well as the .beta.-defensin genes encoding the peptides. The invention further relates to methods of use of the peptides including a method of inhibiting microbial growth by administering an effective amount of the peptide alone or in combination with other antimicrobial agents or antibiotics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:251863 USPATFULL  
TITLE: Human and mouse beta-defensins, antimicrobial peptides  
INVENTOR(S): McCray, Paul B., JR., Iowa City, IA, UNITED STATES  
Schutte, Brian C., Iowa City, IA, UNITED STATES  
Jia, Hong Peng, Iowa City, IA, UNITED STATES  
Casavant, Thomas L., Iowa City, IA, UNITED STATES  
Welsh, Michael J., Riverside, IA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003176652	A1	20030918
APPLICATION INFO.:	US 2002-252734	A1	20020923 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-323991P	20010921 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI L.L.P., A REGISTERED LIMITED LIABILITY PARTNERSHIP, SUITE 2400, 600 CONGRESS AVENUE, AUSTIN, TX, 78701-3271	
NUMBER OF CLAIMS:	45	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	4325	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 13 OF 20 USPATFULL on STN  
TI Minicell-based transfection  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:238122 USPATFULL  
TITLE: Minicell-based transfection  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166279	A1	20030904
APPLICATION INFO.:	US 2002-157391	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18548	

L8 ANSWER 14 OF 20 USPATFULL on STN  
TI Minicells comprising membrane proteins  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:237942 USPATFULL  
TITLE: Minicells comprising membrane proteins  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Segall, Anca M., San Diego, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166099	A1	20030904
APPLICATION INFO.:	US 2002-157305	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	



LINE COUNT: 18580

L8 ANSWER 15 OF 20 USPATFULL on STN

TI Methods and compositions for diagnosing and treating rheumatoid arthritis

AB The invention provides methods and compositions for diagnostic assays for detecting R.A. and therapeutic methods and compositions for treating R.A. The invention also provides methods for designing, identifying, and optimizing therapeutics for R.A. Diagnostic compositions of the invention include compositions comprising detection agents for detecting one or more genes that have been shown to be up- or down-regulated in cells of R.A. relative to normal counterpart cells. Exemplary detection agents include nucleic acid probes, which can be in solution or attached to a solid surface, e.g., in the form of a microarray. The invention also provides computer-readable media comprising values of levels of expression of one or more genes that are up- or down-regulated in R.A.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:220740 USPATFULL

TITLE: Methods and compositions for diagnosing and treating rheumatoid arthritis

INVENTOR(S): Pittman, Debra D., Windham, NH, UNITED STATES  
Feldman, Jeffrey L., Arlington, MA, UNITED STATES  
Shields, Kathleen M., Harvard, MA, UNITED STATES  
Trepicchio, William L., Andover, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003154032	A1	20030814
APPLICATION INFO.:	US 2001-23451	A1	20011217 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-255861P	20001215 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Patent Group, FOLEY, HOAG & ELIOT LLP, One Post Office Square, Boxton, MA, 02109	
NUMBER OF CLAIMS:	40	
EXEMPLARY CLAIM:	1	
LINE COUNT:	25385	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 16 OF 20 USPATFULL on STN

TI DNA sequences from S. pneumoniae bacteriophage DP1 that encode anti-microbial polypeptides

AB The disclosure concerns particular bacteriophage open reading frames, and portions and products of those open reading frames which have antimicrobial activity. Methods of using such products are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:200786 USPATFULL

TITLE: DNA sequences from S. pneumoniae bacteriophage DP1 that encode anti-microbial polypeptides

INVENTOR(S): Pelletier, Jerry, Baie-D'Urfe, CANADA  
Gros, Philippe, St. Lambert, CANADA  
DuBow, Michael, Montreal, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003138771	A1	20030724
APPLICATION INFO.:	US 2002-97111	A1	20020717 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-676412, filed		

on 29 Sep 2000, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-157218P	19990930 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Wesley B. Ames, FOLEY & LARDNER, P.O. Box 80278, San Diego, CA, 92138-0278	
NUMBER OF CLAIMS:	84	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	6990	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 17 OF 20 USPATFULL on STN  
TI DNA encoding an avian beta-defensin and uses thereof  
AB An isolated nucleic acid molecule encoding avian beta-defensin is provided. Further provided are compositions comprising an avian beta-defensin, or portions thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:96178 USPATFULL  
TITLE: DNA encoding an avian beta-defensin and uses thereof  
INVENTOR(S): Harmon, Barry G., Athens, GA, United States  
Jackwood, Mark W., Watkinsville, GA, United States  
Brockus, Charles W., Athens, GA, United States  
PATENT ASSIGNEE(S): University of Georgia Research Foundation, Inc.,  
Athens, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6545140	B1	20030408
APPLICATION INFO.:	US 1999-351657		19990713 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92668P	19980713 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Smith, Lynette R. F.	
ASSISTANT EXAMINER:	Portner, Ginny Allen	
LEGAL REPRESENTATIVE:	Schwegman, Lundberg, Woessner & Kluth, P.A.	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	2226	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 18 OF 20 USPATFULL on STN  
TI Peptides for the activation of the immune system in humans and animals  
AB The present invention is directed to compositions and methods for the treatment of diseases comprising the administration of compositions comprising one or more peptide(s) having a stimulatory effect on the afflicted host's immune system. Specifically, the invention relates to methods comprising the use of cationic amphipathic peptides having an .alpha.-helical structure and effecting activation of macrophages when administered in a therapeutically sufficient amount. The methods of the present invention are useful for the treatment of, for example, infectious or cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:272843 USPATFULL  
TITLE: Peptides for the activation of the immune system in

INVENTOR(S): humans and animals  
Mor, Amram, Paris, FRANCE  
Vouldoukis, Ioannis, Antony, FRANCE  
Nicolas, Pierre, Tourny, FRANCE  
PATENT ASSIGNEE(S): Centre National De La Recherche Scientifique (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150964	A1	20021017
APPLICATION INFO.:	US 2002-38045	A1	20020102 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-181941, filed on 28 Oct 1998, PENDING Continuation of Ser. No. US 1995-574701, filed on 19 Dec 1995, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Pennie & Edmonds, LLP, 3300 Hillview Avenue, Palo Alto, CA, 94304		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	13 Drawing Page(s)		
LINE COUNT:	3586		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L8 ANSWER 19 OF 20 USPATFULL on STN  
TI Peptides for the activation of the immune system in humans and animals  
AB The present invention is directed to compositions and methods for the treatment of diseases comprising the administration of compositions comprising one or more peptide(s) having a stimulatory effect on the afflicted host's immune system. Specifically, the invention relates to methods comprising the use of cationic amphipathic peptides having an .alpha.-helical structure and effecting activation of macrophages when administered in a therapeutically sufficient amount. The methods of the present invention are useful for the treatment of, for example, infectious diseases or cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
ACCESSION NUMBER: 2002:217046 USPATFULL  
TITLE: Peptides for the activation of the immune system in humans and animals  
INVENTOR(S): Mor, Amram, 3, rue du Pas de la Mule, Paris, FRANCE 75004  
Vouldoukis, Ioannis, Antony, FRANCE  
Nicolas, Pierre, Tourny, FRANCE  
PATENT ASSIGNEE(S): Mor, Amram, Jerusalem, ISRAEL (non-U.S. individual)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6440690	B1	20020827
APPLICATION INFO.:	US 1998-181941		19981028 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-574701, filed on 19 Dec 1995, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1995-7831	19950629
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	27 Drawing Figure(s); 13 Drawing Page(s)	
LINE COUNT:	3528	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 20 OF 20 USPATFULL on STN

TI Human beta-defensin-3 (HBD-3), a highly cationic beta-defensin  
**antimicrobial peptide**

AB The present invention relates a novel **antimicrobial peptide** HBD-3 and derivatives thereof as well as the gene encoding the peptide. The invention further relates to methods of use of the HBD-3 peptide including a method of inhibiting microbial growth by administering an effective amount of the HBD-3 peptide alone or in combination with other antimicrobial agents or antibiotics. In addition, the immunomodulatory properties of the HBD-3 peptide also facilitate the manipulation of the immune response, i.e., as a chemoattractant for immature dendritic cells or memory T cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:214215 USPATFULL

TITLE: Human beta-defensin-3 (HBD-3), a highly cationic  
beta-defensin **antimicrobial peptide**

INVENTOR(S): McCray, Paul B., JR., Iowa City, IA, UNITED STATES  
Tack, Brian F., Iowa City, IA, UNITED STATES  
Jia, Hong Peng, Iowa City, IA, UNITED STATES  
Schutte, Brian C., Iowa City, IA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002115602	A1	20020822
APPLICATION INFO.:	US 2001-872852	A1	20010601 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-208792P	20000601 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Steven L. Highlander, Fulbright & Jaworski L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX, 78701	
NUMBER OF CLAIMS:	55	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	3851	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> e McCray, p/au

E1	8	MCCRAY WALTER A/AU
E2	9	MCCRAY WILLIAM R/AU
E3	0 -->	MCCRAY, P/AU
E4	1	MCCRAY R J/AU
E5	2	MCCREA A/AU
E6	3	MCCREA A D/AU
E7	20	MCCREA A E/AU
E8	1	MCCREA A L/AU
E9	1	MCCREA A N/AU
E10	6	MCCREA A P/AU
E11	5	MCCREA ALAN F/AU
E12	2	MCCREA ANDREW D/AU

=> e tack,b/au

E1	1	TACK WOUTER/AU
E2	3	TACK Y/AU
E3	0 -->	TACK, B/AU
E4	2	TACKA F/AU
E5	3	TACKA K A/AU
E6	3	TACKA KIRK A/AU

E7	2	TACKABERRY B M/AU
E8	3	TACKABERRY C/AU
E9	1	TACKABERRY C J/AU
E10	1	TACKABERRY C J T/AU
E11	2	TACKABERRY D/AU
E12	2	TACKABERRY D O/AU

=> e Peng,H/au

E1	2	PENG ZUOYAN/AU
E2	1	PENG ZY ZHENG YU/AU
E3	0 -->	PENG,H/AU
E4	2	PENGACHEVA O M/AU
E5	1	PENGAL R A/AU
E6	1	PENGAL RUMA A/AU
E7	2	PENGALLY D/AU
E8	1	PENGAM M/AU
E9	1	PENGAM N/AU
E10	1	PENGANI D/AU
E11	1	PENGBIN XI/AU
E12	1	PENGBO L/AU

=> schutte, b/au

SCHUTTE, IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> e schutte, b/au

E1	1	SCHUTTE WILHELM/AU
E2	1	SCHUTTE WOLFGANG/AU
E3	0 -->	SCHUTTE, B/AU
E4	1	SCHUTTEDEL G M/AU
E5	1	SCHUTTEL H/AU
E6	3	SCHUTTEL J J/AU
E7	5	SCHUTTEL S/AU
E8	1	SCHUTTEL STEFAN/AU
E9	2	SCHUTTELAAR M/AU
E10	5	SCHUTTELAAR M L/AU
E11	4	SCHUTTELAAR M L A/AU
E12	1	SCHUTTELAAR M R/AU